

CLAIMS

What is claimed is:

1. A method, comprising:

5 receiving a document for printing in an image forming device, wherein a print mode setting is associated with the document; and

printing at least a portion of the document monochromatically or in color based upon the print mode setting and a state of a print mode actuator in the image forming device.

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2. The method of claim 1, wherein the printing of the at least a portion of the document monochromatically or in color based upon the print mode setting and the state of the print mode actuator in the image forming device further comprises
15 implementing an execution of a monochromatic raster image processing of the document if the print mode setting specifies a monochromatic print setting.

3. The method of claim 1, wherein the print mode actuator includes at
20 least an application state and a monochromatic override state, and the printing of the at least a portion of the document monochromatically or in color based upon the print mode setting and the state of the print mode actuator in the image forming device further comprises implementing an execution of a color raster image
processing of the document if the print mode actuator is in the application state and
25 the print mode setting specifies a color print setting.

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4. The method of claim 1, wherein the print mode actuator includes at least an application state and a monochromatic override state, and the printing of the at least a portion of the document monochromatically or in color based upon the print mode setting and the state of the print mode actuator in the image forming device further comprises implementing an execution of a monochromatic raster image processing of the document if the print mode actuator is in the monochromatic override state and the print mode setting specifies a color print setting, thereby overriding the color print setting in the document.

5. The method of claim 1, further comprising:
implementing an execution of a raster image processing of the document, wherein the raster image processing is of one of a monochromatic raster image processing or a color raster image processing;
detecting a change in the state of the print mode actuator during the execution of the raster image processing of the document; and
transitioning the raster image processing of the document at a transition point in response to the change in the state of the print mode actuator.

6. The method of claim 5, wherein the transitioning is upon completion of the monochromatic or color raster image processing of a strip of the document that was in progress at the time of the change in the state of the print mode actuator.

7. The method of claim 5, wherein the transitioning is upon completion of the monochromatic or color raster image processing of a page of the document that was in progress at the time of the change in the state of the print mode actuator.

8. The method of claim 1, further comprising:
executing one of a monochromatic raster image processing or a color
raster image processing of the document;

5 detecting a change in the state of the print mode actuator during the
execution of the one of the monochromatic raster image processing or the color
raster image processing of the document; and

10 completing the monochromatic raster image processing or the color
raster image processing of the document even though a change in the state of the
print mode actuator is detected that results in an inconsistency between the state of
the print mode actuator and the raster image processing of the document that was
in progress at the time of the change in the state of the print mode actuator.

9. A program embodied in a computer readable medium, comprising:
15 code that identifies a print mode setting associated with a document
received for printing in an image forming device; and

code that implements a printing of at least a portion of the document
monochromatically or in color based upon the print mode setting and a state of a
print mode actuator in the image forming device.

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10. The program embodied in the computer readable medium of claim 9,
wherein code that implements the printing of the at least a portion of the document
monochromatically or in color based upon the print mode setting and the state of
25 the print mode actuator in the image forming device further comprises code that
implements an execution of a monochromatic raster image processing of the
document if the print mode setting specifies a monochromatic print setting.

11. The program embodied in the computer readable medium of claim 9, wherein the print mode actuator includes at least an application state and a monochromatic override state, and the code that implements the printing of the at least a portion of the document monochromatically or in color based upon the print mode setting and the state of the print mode actuator in the image forming device further comprises code that implements an execution of a color raster image processing of the document if the print mode actuator is in the application state and the print mode setting specifies a color print setting.

12. The program embodied in the computer readable medium of claim 9, wherein the print mode actuator includes at least an application state and a monochromatic override state, and the code that implements the printing of the at least a portion of the document monochromatically or in color based upon the print mode setting and the state of the print mode actuator in the image forming device further comprises code that implements an execution of a monochromatic raster image processing of the document if the print mode actuator is in the monochromatic override state and the print mode setting specifies a color print setting, thereby overriding the color print setting in the document.

13. The program embodied in the computer readable medium of claim 9, further comprising:

code that implements an execution of a raster image processing of the document, wherein the raster image processing is one of a monochromatic raster image processing or a color raster image processing;

code that detects a change in the state of the print mode actuator during the execution of the raster image processing of the document; and

code that transitions the raster image processing of the document at a transition point in response to the change in the state of the print mode actuator.

14. The program embodied in the computer readable medium of claim 13,
wherein the code that transitions further comprises code that implements the
transition upon completion of the monochromatic or color raster image processing
of a strip of the document that was in progress at the time of the change in the state
5 of the print mode actuator.

15. The program embodied in the computer readable medium of claim 13,
wherein the code that transitions further comprises code that implements the
10 transition upon completion of the monochromatic or color raster image processing
of a page of the document that was in progress at the time of the change in the
state of the print mode actuator.

16. An image forming device, comprising:
a print mode actuator disposed on the image forming device having a
first state and a second state; and
a print engine configured to implement a printing of at least a portion
of a document monochromatically or in color based upon a print mode setting
20 associated with the document and based upon a state of the print mode actuator in
the image forming .

17. The image forming device of claim 16, wherein print engine is further
25 configured to implement an execution a monochromatic raster image processing of
the document if the print mode setting specifies a monochromatic print setting.

18. The image forming device of claim 16, wherein the first state is an application state and the second state is a monochromatic override state, and the print engine is further configured to implement an execution of a color raster image processing of the document if the print mode actuator is in the application state and
5 the print mode setting specifies a color print setting.

19. The image forming device of claim 16, wherein the first state is an application state and the second state is a monochromatic override state, and the
10 print engine is further configured to implement an execution of a monochromatic raster image processing of the document if the print mode actuator is in the monochromatic override state and the print mode setting specifies a color print setting, thereby overriding the color print setting in the document.

20. The image forming device of claim 16, the print engine is further configured to detect a change in the state of the print mode actuator during an execution of a raster image processing of the document, wherein the raster image processing is one of a monochromatic raster image processing or a color raster
20 image processing.

21. The image forming device of claim 20, the print engine is further configured to implement a transition of the raster image processing of the document
25 at a transition point in response to the change in the state of the print mode actuator.

22. The image forming device of claim 21, wherein the print engine is
30 further configured to implement the transition upon completion of the monochromatic or color raster image processing of a strip of the document that was in progress at the time of the change in the state of the print mode actuator.

23. The image forming device of claim 21, wherein the print engine is further configured to implement the transition upon completion of the monochromatic or color raster image processing of a page of the document that was in progress at the time of the change in the state of the print mode actuator.

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24. An image forming device, comprising:

means for identifying a print mode setting associated with a document received for printing in an image forming device; and

10 means for implementing a printing of at least a portion of a document monochromatically or in color based upon the print mode setting and a state of a print mode actuator in the image forming device.

15 25. The image forming device of claim 24, further comprising means for detecting a change in the state of the print mode actuator during an execution of a raster image processing of the document, wherein the raster image processing is one of a monochromatic raster image processing or a color raster image processing.

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26. The image forming device of claim 25, further comprising means for implementing a transition of the raster image processing of the document at a transition point in response to the change in the state of the print mode actuator.

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27. A method, comprising:

determining a state of a print mode actuator, the print mode actuator having at least an application state and a black override state; and

30 executing a color raster image processing of a document if the print mode actuator is in the application state and the document includes a color print setting.

28. The method of claim 27, further comprising:
executing a black raster image processing of the document if the
document includes a black print setting; and

5 executing a black raster image processing of a document if the print
mode actuator is in the black override state and the document includes a color print
setting, thereby overriding the color print setting in the document.

29. The method of claim 28, further comprising:

10 detecting a change of the print mode actuator during one of the
executing the black raster image processing and the executing the color raster
image processing of the document; and

15 transitioning between the executing the black raster image processing
and the executing the color raster image processing of the document at a transition
point in response to the change in the state of the print mode actuator.